

4.2.A. 0601020602.

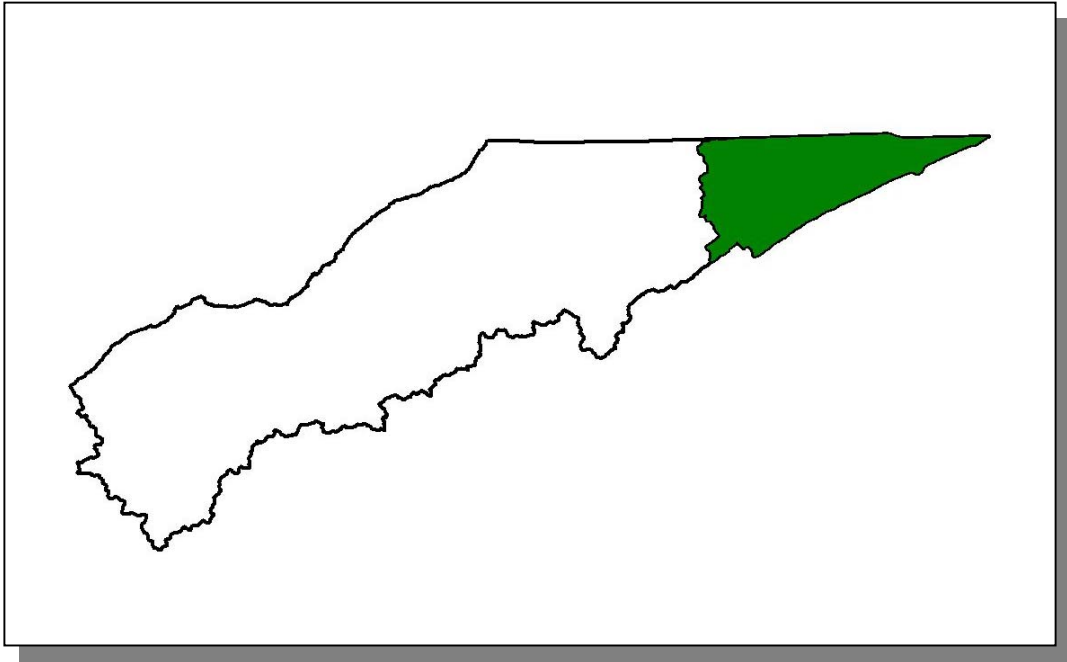


Figure 4-2. Location of Subwatershed 0601020602. All Powell River HUC-10 subwatershed boundaries in Tennessee are shown for reference.

4.2.A.i. 060102060202 (Wallen Creek).

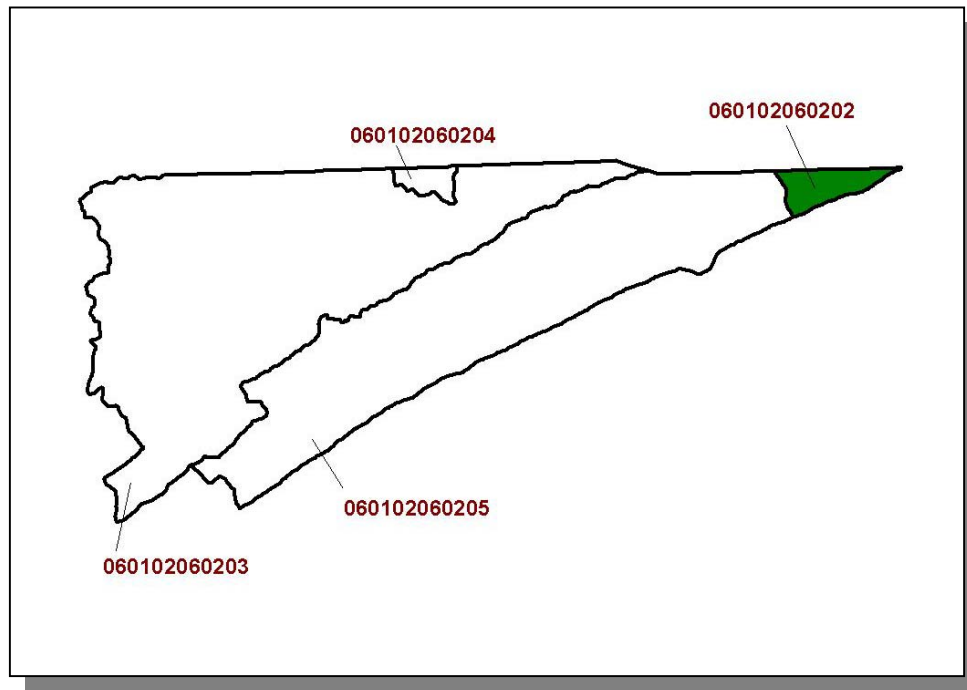


Figure 4-3. Location of Subwatershed 060102060202. All HUC-12 subwatershed boundaries are shown for reference.

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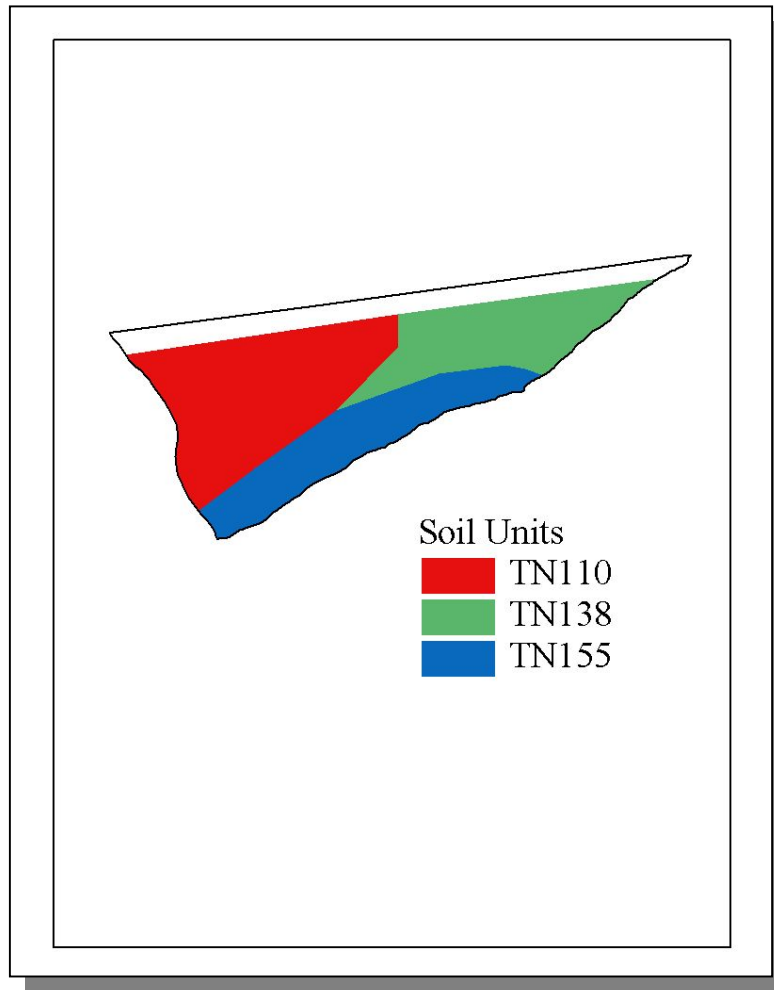


Figure 4-4. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102060202.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN110	0.00	B	2.22	4.96	Loam	0.31
TN138	0.00	C	2.48	4.26	Sandy Loam	0.22
TN155	0.00	C	1.71	5.31	Loam	0.32

Table 4-2. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102060202. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hancock	6,739	6,801	6,786	0.21	14	14	14	0.0

Table 4-3. Population Estimates in Subwatershed 060102060202.

4.2.A.i.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.A.i.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS	
Beef Cow	Cattle
<5	<5

Table 4-4. Summary of Livestock Count Estimates in Subwatershed 060102060202. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS					
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Sheep
Hancock	7,079	14,311	89	364	67

Table 4-5. Summary of Livestock Count Estimates in Hancock County. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hancock	92.9	92.9	2.7	14.2

Table 4-6. Forest Acreage and Annual Removal Rates (1987-1994) in Hancock County.

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CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	2.54
Grass (Hayland)	0.66
Grass, Forbs, Legumes (Mixed Pasture)	0.79
Corn (Row Crops)	2.42
Tobacco (Row Crops)	23.03
Farmsteads and Ranch Headquarters	0.03

Table 4-7. Annual Estimated Total Soil Loss in Subwatershed 060102060202.

4.2.A.ii. 060102060203 (Powell River).

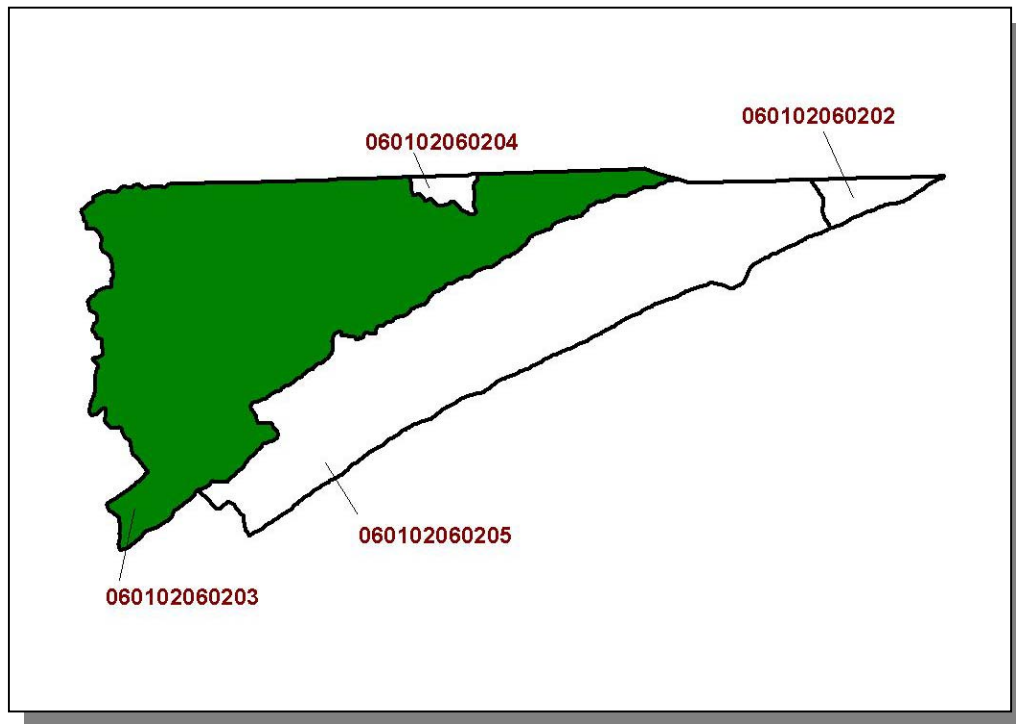


Figure 4-5. Location of Subwatershed 060102060203. All HUC-12 subwatershed boundaries are shown for reference.

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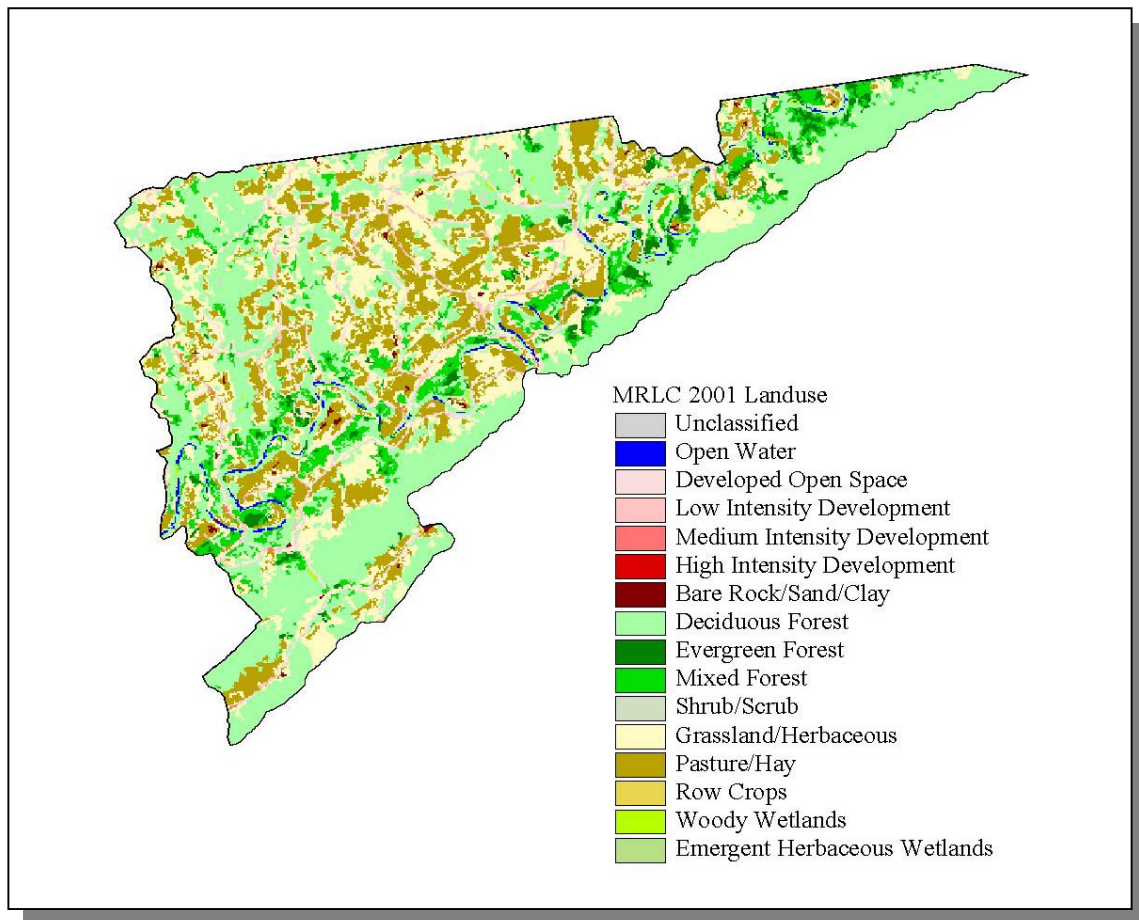


Figure 4-6. Illustration of Land Use Distribution in Subwatershed 060102060203.

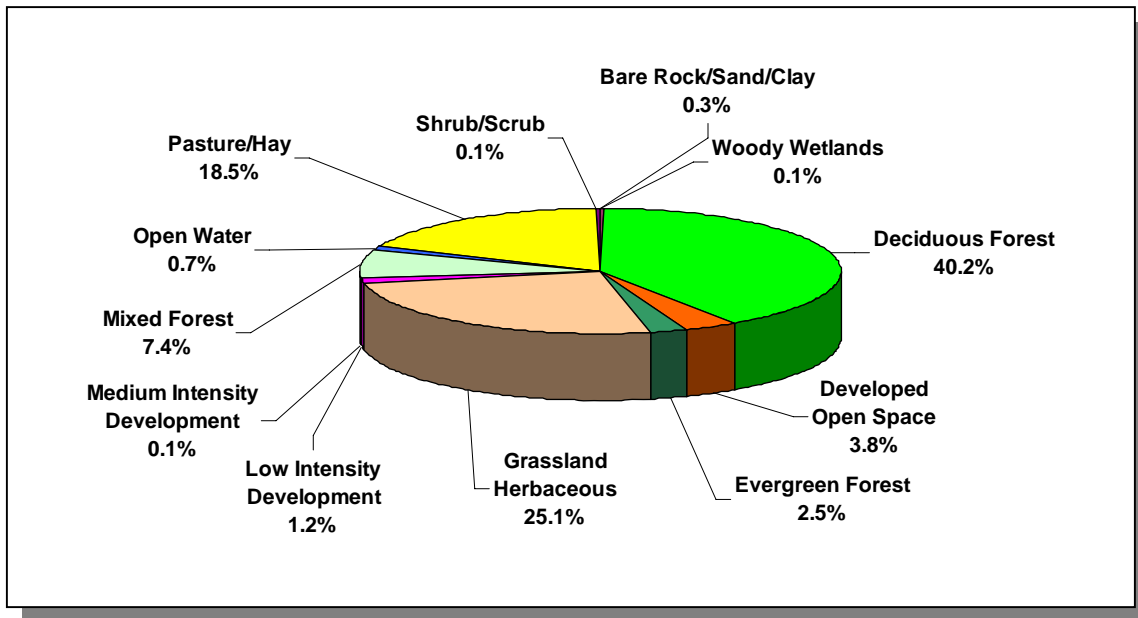


Figure 4-7. Land Use Distribution in Subwatershed 060102060203. More information is provided in Appendix IV.

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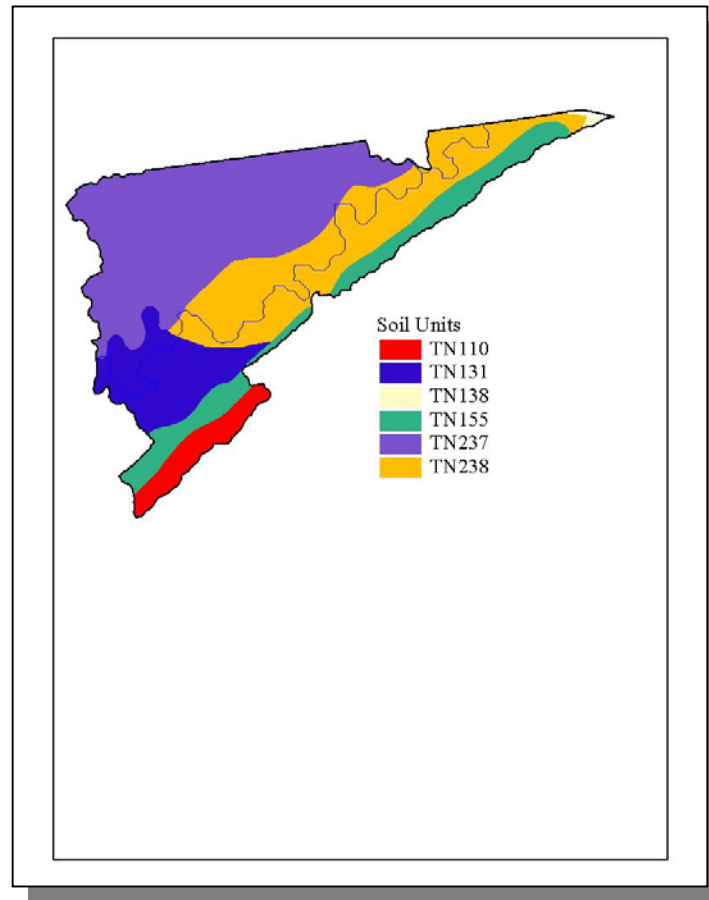


Figure 4-8. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102060203.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN110	0.00	B	2.22	4.96	Loam	0.31
TN131	0.00	C	1.17	4.95	Silty Loam	0.33
TN138	0.00	C	2.48	4.26	Sandy Loam	0.22
TN155	0.00	C	1.71	5.31	Loam	0.32
TN237	0.00	B	3.36	5.40	Silty Loam	0.32
TN238	0.00	C	0.93	6.00	Silty Clayey Loam	0.35

Table 4-8. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102060203. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Claiborne	26,137	28,963	29,862	2.8	731	810	835	14.2
Hancock	6,739	6,801	6,786	8.55	576	582	581	0.9
Total	32,876	35,764	36,648		1,307	1,392	1,416	8.3

Table 4-9. Population Estimates in Subwatershed 060102060203.

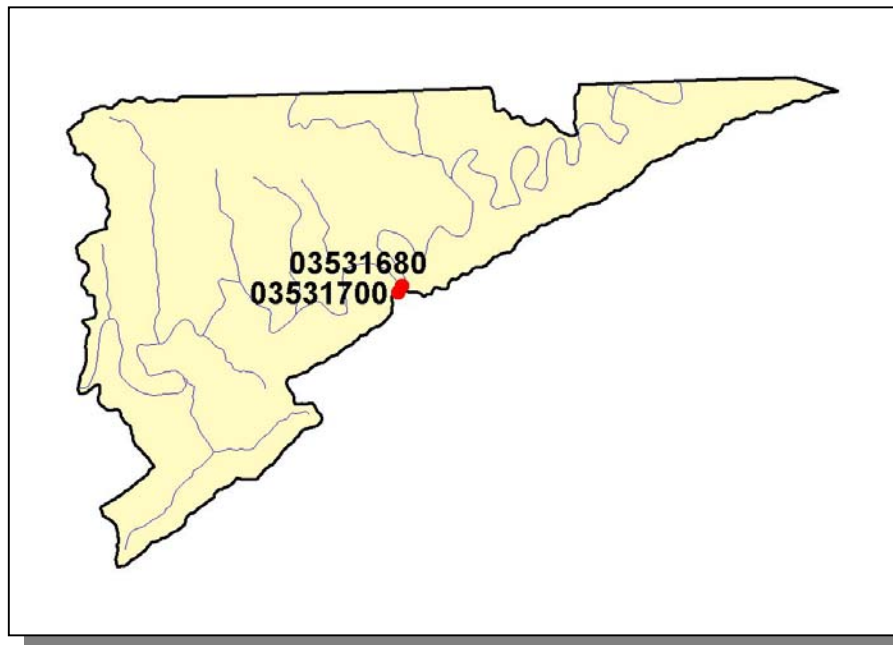


Figure 4-9. Location of Historical Streamflow Data Collection Sites in Subwatershed 060102060203. More information is provided in Appendix IV.

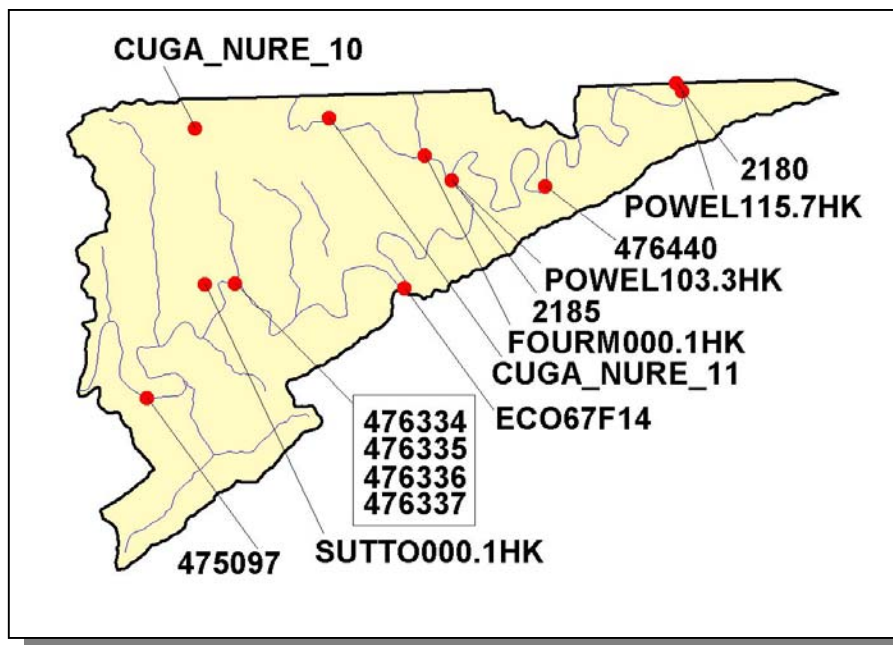


Figure 4-10. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102060203. More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

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4.2.A.ii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.A.ii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS				
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Sheep
1,945	3,885	56	5	18

Table 4-10. Summary of Livestock Count Estimates in Subwatershed 060102060203.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS					
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Sheep
Claiborne	18,697	36,566	1,082	420	165
Hancock	7,079	14,311	89	364	67

Table 4-11. Summary of Livestock Count Estimates in Claiborne and Hancock Counties.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Claiborne	167.6	167.6	2.6	12.1
Hancock	92.9	92.9	2.7	14.2

Table 4-12. Forest Acreage and Annual Removal Rates (1987-1994) in Claiborne and Hancock Counties.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.66
Grass (Hayland)	0.66
Grass, Forbs, Legumes (Mixed Pasture)	0.52
Corn (Row Crops)	2.42
Tobacco (Row Crops)	23.03
Farmsteads and Ranch Headquarters	0.19

Table 4-13. Annual Estimated Total Soil Loss in Subwatershed 060102060203.

4.2.A.iii. 060102060204 (Martin Creek).

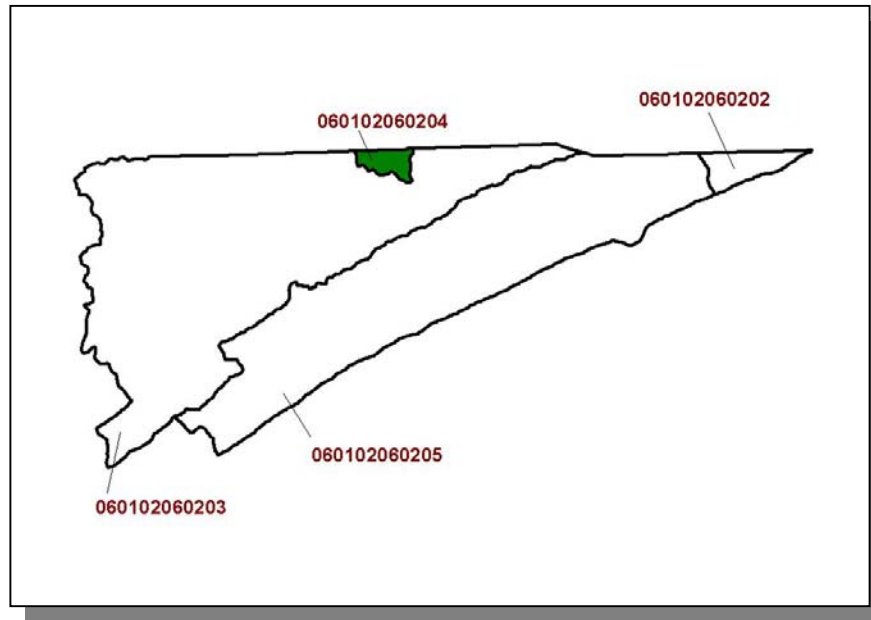


Figure 4-11. Location of Subwatershed 060102060204. All HUC-12 subwatershed boundaries are shown for reference.

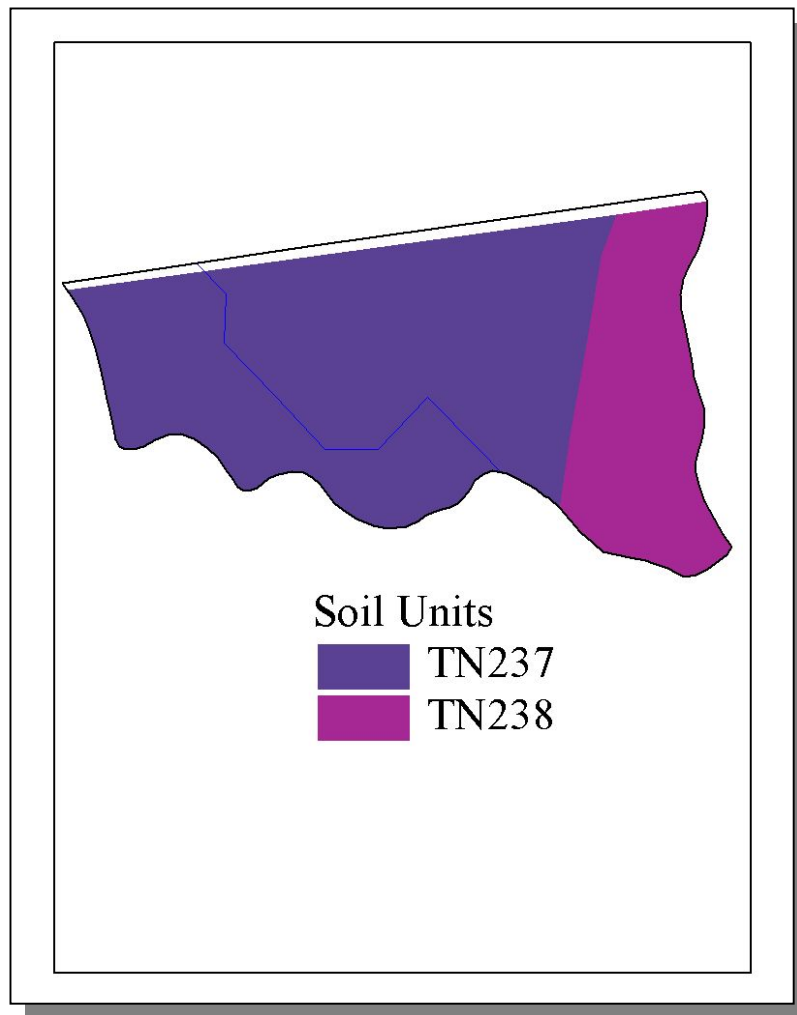


Figure 4-12. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102060204.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN237	0.00	B	3.36	5.40	Silty Loam	0.32
TN238	0.00	C	0.93	6.00	Silty Clayey Loam	0.35

Table 4-14. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102060204. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hancock	6,739	6,801	6,786	0.29	19	20	20	5.3

Table 4-15. Population Estimates in Subwatershed 060102060204.

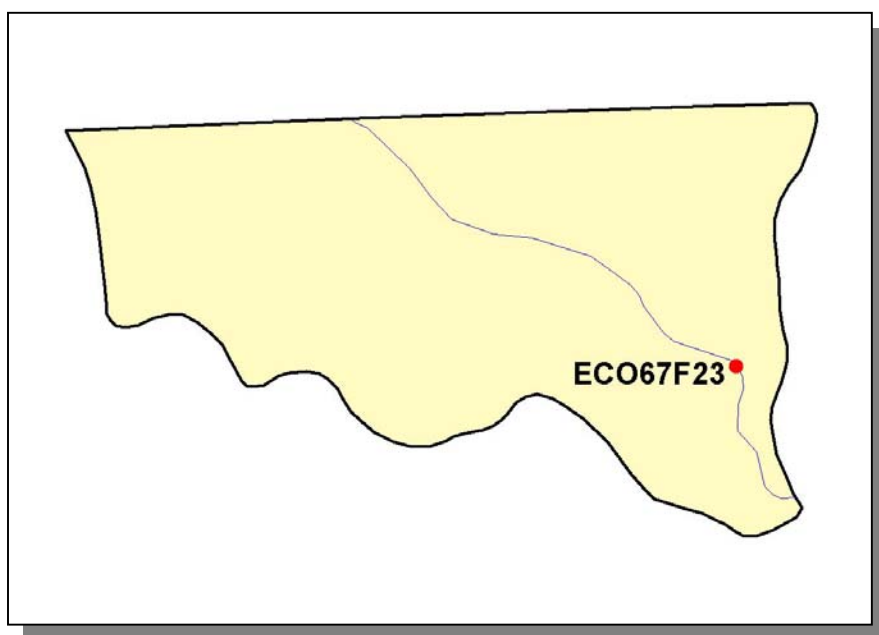


Figure 4-13. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102060204. More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

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4.2.A.iii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.A.iii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS			
Beef Cow	Cattle	Milk Cow	Sheep
73	148	<5	<5

Table 4-16. Summary of Livestock Count Estimates in Subwatershed 060102060204. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

LIVESTOCK COUNTS					
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Sheep
Hancock	7,079	14,311	89	364	67

Table 4-17. Summary of Livestock Count Estimates in Hancock County. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hancock	92.9	92.9	2.7	14.2

Table 4-18. Forest Acreage and Annual Removal Rates (1987-1994) in Hancock County.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	2.54
Grass (Hayland)	0.66
Grass, Forbs, Legumes (Mixed Pasture)	0.79
Corn (Row Crops)	2.42
Tobacco (Row Crops)	23.03
Farmsteads and Ranch Headquarters	0.03

Table 4-19. Annual Estimated Total Soil Loss in Subwatershed 060102060204.

4.2.A.iv. 060102060205 (Mulberry Creek).

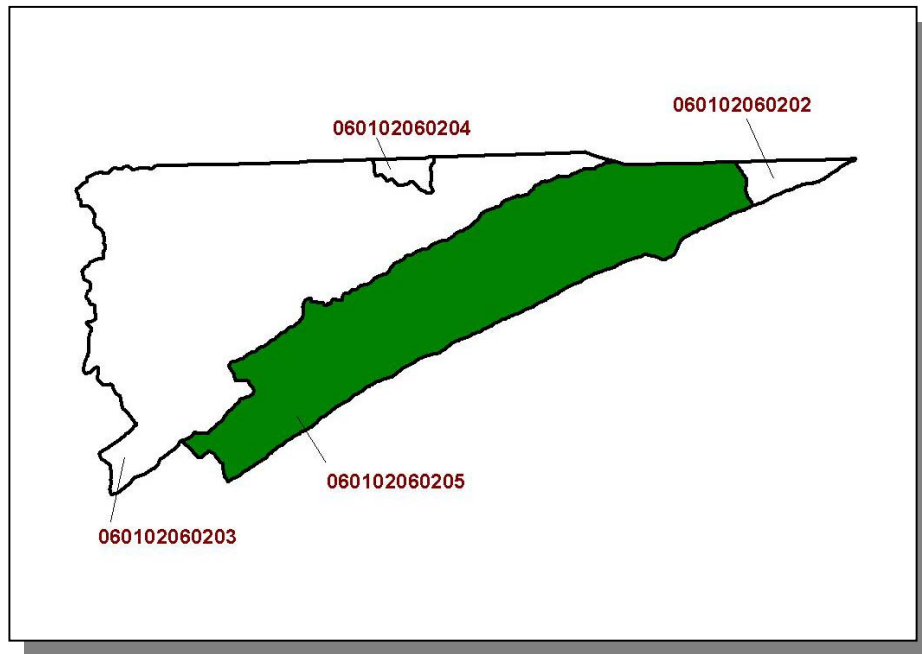


Figure 4-14. Location of Subwatershed 060102060205. All HUC-12 subwatershed boundaries are shown for reference.

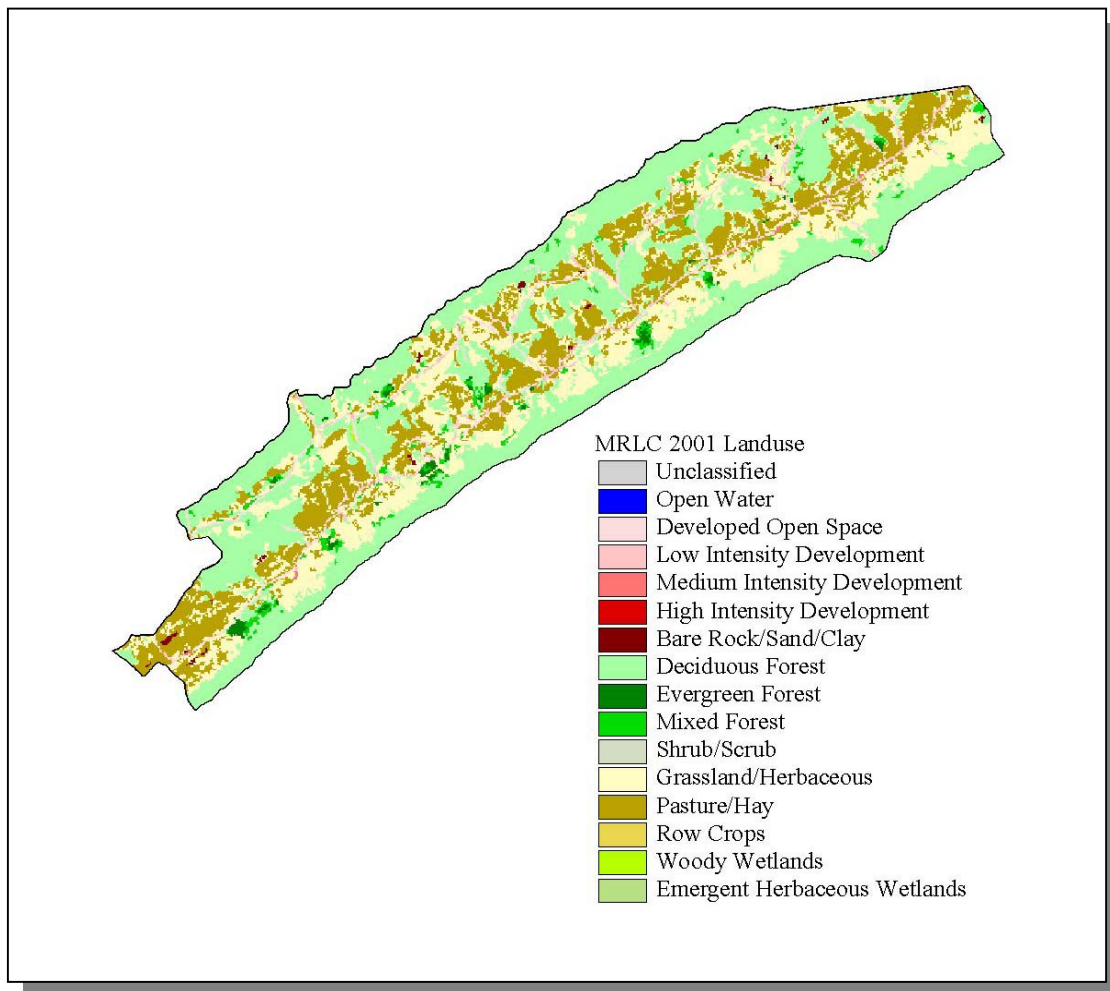


Figure 4-15. Illustration of Land Use Distribution in Subwatershed 060102060205.

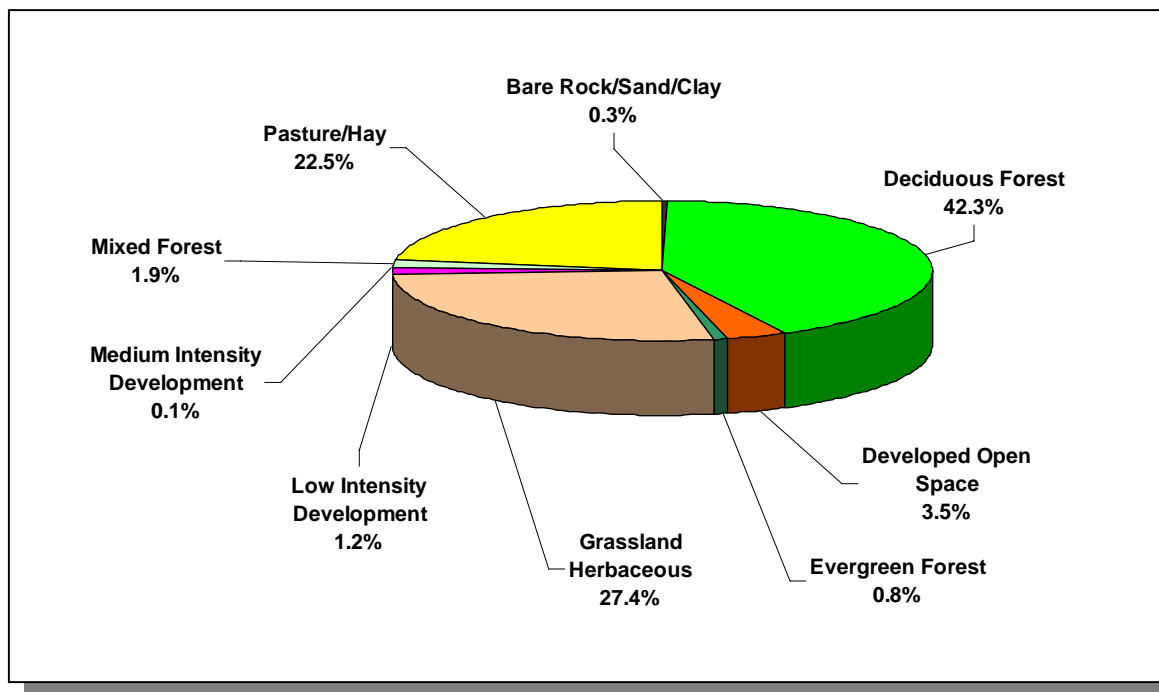


Figure 4-16. Land Use Distribution in Subwatershed 060102060205. More information is provided in Appendix IV.

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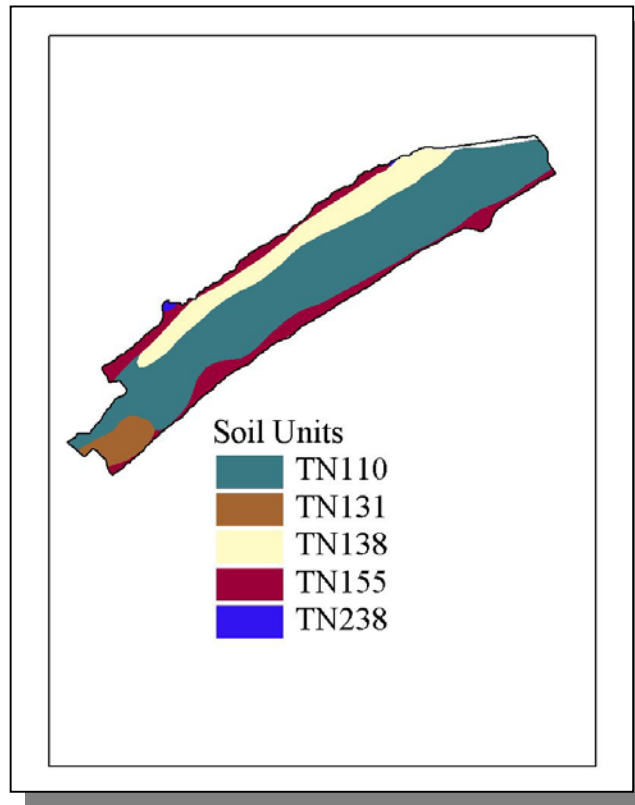


Figure 4-17. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102060205.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN110	0.00	B	2.22	4.96	Loam	0.31
TN131	0.00	C	1.17	4.95	Silty Loam	0.33
TN138	0.00	C	2.48	4.26	Sandy Loam	0.22
TN155	0.00	C	1.71	5.31	Loam	0.32
TN238	0.00	C	0.93	6.00	Silty Clayey Loam	0.35

Table 4-20. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102060205. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Claiborne	26,137	28,963	29,862	0.57	150	166	171	14.0
Hancock	6,739	6,801	6,786	9.2	620	625	624	0.6
Total	35,764	36,648		770	791	795	3.2	

Table 4-21. Population Estimates in Subwatershed 060102060205.

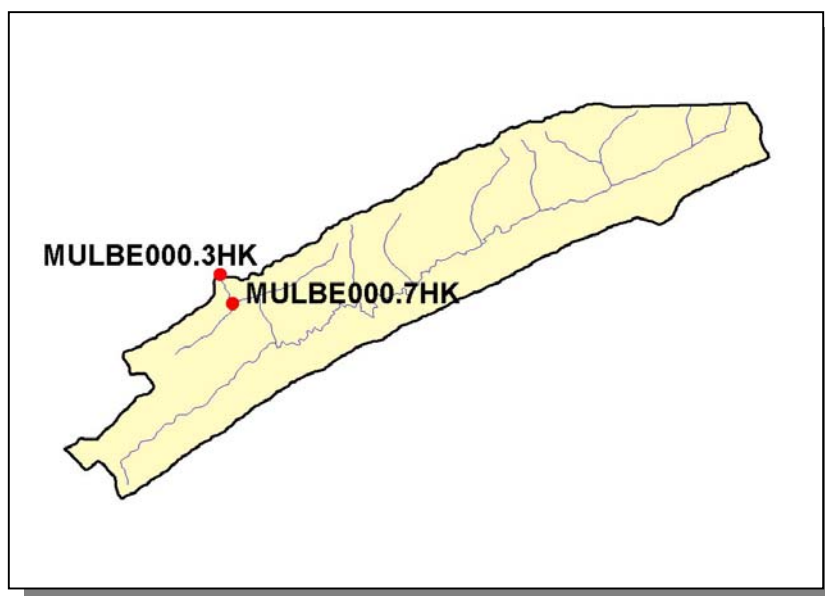


Figure 4-18. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102060205. More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

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4.2.A.iv.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.A.iv.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS				
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Sheep
1,477	2,970	29	<5	14

Table 4-22. Summary of Livestock Count Estimates in Subwatershed 060102060205.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS					
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Sheep
Claiborne	18,697	36,566	1,082	420	165
Hancock	7,079	14,311	89	364	67

Table 4-23. Summary of Livestock Count Estimates in Claiborne and Hancock Counties.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Claiborne	167.6	167.6	2.6	12.1
Hancock	92.9	92.9	2.7	14.2

Table 4-24. Forest Acreage and Annual Removal Rates (1987-1994) in Claiborne and Hancock Counties.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	2.29
Grass (Hayland)	0.66
Grass, Forbs, Legumes (Mixed Pasture)	0.71
Corn (Row Crops)	2.42
Tobacco (Row Crops)	23.03
Farmsteads and Ranch Headquarters	0.08

Table 4-25. Annual Estimated Total Soil Loss in Subwatershed 060102060205.